

Title (en)

NO-GLUE POCKETED SPRING UNIT CONSTRUCTION

Title (de)

KLEBSTOFFFREIE KONSTRUKTION EINER TASCHENFEDEREINHEIT

Title (fr)

CONSTRUCTION D'UNITÉS À RESSORTS ENSACHÉS SANS COLLE

Publication

**EP 2916690 A4 20151021 (EN)**

Application

**EP 14741054 A 20140118**

Priority

- US 201361754529 P 20130119
- US 201361757075 P 20130125
- US 2014012147 W 20140118

Abstract (en)

[origin: US2014201924A1] Methods and systems for no-glue pocketed spring unit construction. Rows of pocketed springs, preferably arranged into modules of more than two pocketed springs surrounding a central hole, are ultrasonically welded together when paired vibrating probes and anvils press layers of pocketed spring fabric from the rows of pocketed springs together and a welding pulse is transmitted to the vibrating probe.

IPC 8 full level

**A47C 27/07** (2006.01); **B68G 9/00** (2006.01)

CPC (source: EP US)

**A47C 27/062** (2013.01 - EP US); **A47C 27/064** (2013.01 - EP US); **A47C 27/07** (2013.01 - EP US); **B23K 11/002** (2013.01 - US); **B23K 11/362** (2013.01 - US); **B29C 65/08** (2013.01 - EP US); **B29C 65/088** (2013.01 - US); **B29C 65/72** (2013.01 - US); **B29C 65/7838** (2013.01 - US); **B29C 66/1122** (2013.01 - EP US); **B29C 66/5227** (2013.01 - EP US); **B29C 66/61** (2013.01 - EP US); **B29C 66/63** (2013.01 - EP US); **B29C 66/729** (2013.01 - EP US); **B29C 66/8322** (2013.01 - EP US); **B29C 66/8432** (2013.01 - EP US); **B68G 9/00** (2013.01 - US); **B29L 2031/58** (2013.01 - US); **B29L 2031/751** (2013.01 - EP US); **B68G 7/12** (2013.01 - US); **B68G 11/06** (2013.01 - US); **B68G 15/00** (2013.01 - US); **Y10T 29/48** (2015.01 - EP US); **Y10T 29/481** (2015.01 - EP US); **Y10T 29/49609** (2015.01 - EP US); **Y10T 156/1751** (2015.01 - EP US)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2014113737A1

Designated contracting state (EPC)

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BA ME

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**US 2014201924 A1 20140724; US 9221670 B2 20151229;** CA 2916587 A1 20140724; CA 2916587 C 20210921; CA 3125837 A1 20140724; CN 105007780 A 20151028; CN 105007780 B 20181130; EP 2916690 A1 20150916; EP 2916690 A4 20151021; EP 2916690 B1 20170315; EP 3184001 A1 20170628; EP 3184001 B1 20210303; ES 2861575 T3 20211006; MX 2015008290 A 20160209; MX 2021008705 A 20210819; MX 344947 B 20170112; PL 2916690 T3 20170929; PL 3184001 T3 20210906; US 10376983 B2 20190813; US 2015202822 A1 20150723; US 2015208817 A1 20150730; US 2015208818 A1 20150730; US 2015210004 A1 20150730; US 2015216318 A1 20150806; US 2016332249 A1 20161117; US 9126821 B2 20150908; US 9126822 B2 20150908; US 9221671 B2 20151229; US 9321625 B2 20160426; US 9821403 B2 20171121; WO 2014113737 A1 20140724

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